

IN THE CLAIMS:

Please cancel claim 3 without prejudice and add new claims 4-10.

1. (Original) A waveguide comprising:
a waveguide main body made of a material selected from the group consisting of a boron nitride and an aluminum oxide; and
a thin film made of a titanium nitride covering an outer peripheral surface of the waveguide main body.
2. (Original) The waveguide according to claim 1, wherein the waveguide main body is made of a boron nitride.
3. (Canceled)
4. (New) The waveguide according to claim 1, wherein the outer peripheral surface of the waveguide main body and the thin film are bonded to each other.
5. (New) The waveguide according to claim 1, wherein the waveguide main body is made of an aluminum oxide.
6. (New) The waveguide according to claim 1, wherein the waveguide main body has a wedge shape.
7. (New) The waveguide according to claim 1, wherein the thin film is formed by a CVD method.
8. (New) The waveguide according to claim 1, wherein the thin film has a thickness of 10 to 500 μm .

9. (New) The waveguide according to claim 1, wherein the waveguide main body is made of a boron nitride by a CVD method.

10. (New) The waveguide according to claim 9, wherein the thin film has a thickness of 200 μm .